

APPENDIX C:
ENVIRONMENTAL PERMITS IN EFFECT AS OF DECEMBER 31, 2001,
AT ARGONNE NATIONAL LABORATORY-EAST

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Type	Subject of Permit	Building	Issued	Expiration Date
Air	Title V-ANL-E	Sitewide	4/3/01	4/3/06
Air	ALEX Alkali Metal Scrubber ^a	370	Incorporated Title V	
Air	Alkali Metal Reaction Booth ^a	308	Incorporated Title V	
Air	APS Emergency Generators (3)	400	Incorporated Title V	
Air	Argonne Service Station	300	Incorporated Title V	
Air	Boiler No. 5 Low NO _x Gas Burner ^b	108	Incorporated Title V	
Air	Central Heating Plant	108	Incorporated Title V	
Air	Central Shops Dust Collector ^a	363	Incorporated Title V	
Air	Gasoline Dispensing Facility ^c	46	Incorporated Title V	
Air	Salt Cake/Recovery Electrodialysis Plant	369	Incorporated Title V	
Air	Sulfuric Acid Storage Tank ^a	108	Incorporated Title V	
Air	Torch Cutting (Welding) Fumes ^a	Sitewide	Incorporated Title V	
Air	Transportation Research Facility	376	Incorporated Title V	
Air	Wood Shop Dust Collector ^a	368	Incorporated Title V	
Air	Waste Bulking Sheds ^{a,d}	306	Incorporated Title V	
Air	Open-Burning Permit - Fire Dept. ^a	333	04/18/01	04/18/02
Air	Open Burning - Vegetation	Sitewide	01/29/01	01/29/02
NESHAP	Advanced Photon Source	400	Incorporated Title V	
NESHAP	Alkali Metal Reaction Booth	206	Incorporated Title V	
NESHAP	Alpha Gamma Hot Cell Facility	212	Incorporated Title V	
NESHAP	Building Exhausts ^{a,e}	212	Incorporated Title V	
NESHAP	Building Rehab - Phase 1 ^d	306	Incorporated Title V	
NESHAP	Building Vents	306	Incorporated Title V	
NESHAP	Chemical Photooxid. Vial Crusher ^f	306	Incorporated Title V	
NESHAP	CP-5 D&D Project	330	Incorporated Title V	
NESHAP	Building 301 Hot Cell D&D Project	301	Incorporated Title V	
NESHAP	Intense Pulsed Neutron Source	375	Incorporated Title V	
NESHAP	Lab Wastewater Treatment Plant	575	Incorporated Title V	
NESHAP	Lead Brick Cleaning (carbon dioxide)	200/317	Incorporated Title V	
NESHAP	Melt Attack/Coolability Experiment	315	Incorporated Title V	
NESHAP	Mixed Waste Storage Facility	303	Incorporated Title V	
NESHAP	M-Wing Hot Cells	200	Incorporated Title V	
NESHAP	New Brunswick Lab Hoods	350	Incorporated Title V	
NESHAP	PCB Tank Cleanout ^g	Sitewide	Incorporated Title V	
NESHAP	Rad Hoods	Sitewide	Incorporated Title V	

(Cont.)

Type	Subject of Permit	Building	Issued	Expiration Date
NESHAP	Rad (TRUW) Waste Storage Facility	331	Incorporated Title V	
NESHAP	WMO Portable HEPA Filters ^g	306	Incorporated Title V	
NESHAP	WMO HEPA Filter Systems (6) ^{h,i}	Sitewide	Incorporated Title V	
Hazardous Waste	RCRA Part B	Sitewide	09/30/97	11/04/07
Miscellaneous	Deer Population Control Permit	Sitewide	1/26/01	02/23/02
Miscellaneous	Nuisance Wildlife Control	Sitewide	01/01/01	01/31/02
Solid Waste	Landfill	800 Area	03/31/82	j
Solid Waste	Landfill	800 Area	03/30/89	-
Solid Waste	Landfill	800 Area	04/12/89	-
Solid Waste	Landfill Groundwater Assessment	800 Area	09/30/91	-
Solid Waste	Landfill Leachate Characterization	800 Area	09/30/91	-
Solid Waste	Landfill Leachate Test Wells	800 Area	08/31/90	-
Solid Waste	Landfill Revised Closure Plan ^k	800 Area	04/24/92	-
Solid Waste	Landfill Supplemental Closure Plan	800 Area	09/15/92	-
Solid Waste	Landfill Supplemental Permit Groundwater	800 Area	04/19/94	-
Solid Waste	Landfill Supplemental Permit Groundwater	800 Area	01/11/95	-
Solid Waste	Landfill Supplemental Permit Groundwater	800 Area	11/20/97	-
Solid Waste	Landfill Supplemental Permit Groundwater	800 Area	08/25/98	-
Solid Waste	Landfill Supplemental Permit Groundwater	800 Area	06/16/99	-
Solid Waste	Landfill Supplemental Permit Groundwater	800 Area	4/25/00	-
Water	Lime Sludge Application - Land Application	Sitewide	10/30/98	10/31/02
Water	NPDES Permitted Outfalls ^l	Sitewide	10/31/94	07/01/99
Water	NPDES Stormwater Outfalls ^l	Sitewide	10/31/94	07/01/99

Abbreviations: ALEX = Argonne Liquid-Metal Experiment; APS = Advanced Photon Source; CP-5 = Chicago Pile-5 Reactor; D&D = decontamination and decommissioning; HEPA = high-efficiency particulate air; IEPA = Illinois Environmental Protection Agency; NESHAP = National Emissions Standards for Hazardous Air Pollutants; NPDES = National Pollution Discharge Elimination System; PCB = polychlorinated biphenyl; RCRA = Resource Conservation and Recovery Act; TRUW = transuranic hazardous waste; WMO = Waste Management Operations.

^a These units have been designated as insignificant sources in the ANL-E Title V permit.

^b Construction permit issued; operated under the Central Heating Plant permit.

^c Included the ethanol/gasoline tank. In October 2001, the methanol/gasoline tank was converted to ethanol/gasoline storage.

^d Construction permit issued; operated under the Building 306 permit.

^e The plasma spray booth was added to the permit on May 27, 1984.

^f The vial crusher was originally issued under the Building 306 permit.

^g Construction permit issued; operated under the WMO HEPA permit.

(Cont.)

- ^h The construction permit added two portable HEPA filters to the existing four filters.
- ⁱ The construction permit was originally issued October 15, 2001, and was used for operations until Clean Air Act Permit Program (CAAPP) Permit Renewal.
- ^j A hyphen indicates superceded by the next permit.
- ^k Includes the gas monitoring program.
- ^l The existing permit continues to be in effect while the revised permit application is undergoing IEPA review.

Source: Golchert, N.W., and R.G. Kolzow, 2002, *Site Environmental Report for Calendar Year 2001*, ANL-02/2, Argonne National Laboratory, Argonne, Ill., Sept.

